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NEOTROPICAL PSITTACINES IN TRADE

prepared by

TRAFFIC(U.S.A.)

April 8, 1980

WORLD WILDLIFE FUND-U.S.

TRAFFIC (U.S.A.)—Trade Records Analysis of Flora and Fauna in Commerce—is a scientific information-gathering program monitoring trade in wildlife, plants, and their products. It is funded by World Wildlife Fund-U.S.

NEOTROPICAL PSITTACINES IN TRADE

During the course of the macaw trade study (Nilsson & Mack, 1980), TRAFFIC(U.S.A.) analyzed 3-177 Declaration of Import documents for macaws from the following ports of entry: Miami, New Orleans, Los Angeles, San Francisco, and New York.[1] These import forms also listed other species of Neotropical psittacines contained in the same shipments which are analyzed in this brief report.

It must first be pointed out that data from the other three designated ports of entry (Chicago, Seattle, Honolulu) and the number of parrots entering the U.S. along the Mexican border are not included in these tables. In addition, both Law Enforcement (FWS) and Customs Agents estimate that only 1/2 to 2/3 of all bird shipments from South and Central America contain macaws. Therefore, the actual number of psittacines entering the United States may be twice as large as we estimate in this study. For example, an analysis of import documents would seem to indicate that Argentina exported several hundred psittacines to the U.S. in 1978, whereas U.S. Customs statistics report that the U.S. imported over 27,000 psittacines from Argentina during that same year. Further, thousands of parrots are smuggled into the U.S. from Mexico; the U.S. Department of Justice estimates between 25,000 and 50,000 psittacines are smuggled across this border every year (Wildlife Newsletter, March 1980). Our results, therefore, present only a partial and very conservative picture of the South and Central American bird trade.

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[1] Courtesy of the Law Enforcement Division, Fish and Wildlife Service, U.S. Department of Interior.

Between 1970 and 1972 over 70% of all birds imported into the United States from South and Central America were psittacines. In 1970, 118,774 Neotropical psittacines were imported into the United States (Table 1); the figure rose to 218,630 in 1971, but fell to 50,356 in 1972 as a result of an import ban on all cage birds in March 1972. This import ban was the result of a massive outbreak of velogenic viscerotropica Newcastle Disease (VVND) in domestic poultry in California and New Mexico, caused by the import of diseased psittacines.

At the end of 1973 the current U.S. Department of Agriculture quarantine station system went into effect (see Nilsson & Mack, 1980, for discussion), and exotic birds were again imported into the United States. In 1976, 48,940 birds were imported from South and Central America (Table 1); imports rose to 113,649 in 1977 and 164,694 in 1978, before dropping to 136,111 in 1979. Most of these birds are probably psittacines, since, in the early 1970's, a high percentage (between 70 and 90 percent) of all imported birds were psittacines.

In the early 1970's Peru, Colombia, Mexico and Paraguay accounted for almost all of the U.S. imports of New World psittacines (Table 1). Today, it appears that Paraguay, Bolivia, Guyana, Mexico, Suriname, and Trinidad are the largest exporters of Neotropical psittacines based on data of shipments containing macaws (Table 2). U.S. Customs figures show that Peru, Uruguay, Argentina, Panama, Guatemala, Honduras and Brazil also exported large numbers of birds to the United States over the last few years (Table 1).

Conures and amazons were the most frequently imported psittacines: in 1977 a minimum of 10,000 conures and 13,500 amazons entered the United States; in 1978 over 20,000 conures and 12,500 amazons were imported (Table 2). It must be underlined that our import figures represent only 1/2 to 2/3 of all Neotropical bird shipments for five ports of entry, and actual numbers imported for these two years could be more than twice as many. Over 5000 macaws per year were imported between 1977 and 1979. In addition, an average of 2900 parakeets, 1200 parrotlets, 900 parrots, and 640 caiques were imported in both 1977 and 1978 (Table 2).

Several other countries import Neotropical psittacines: Switzerland reports an increase in the number imported - in 1976, 689 were imported; in 1977, 751 were imported, and in 1978, 1001 were imported (Table 3). Japan, the United Kingdom, West Germany, Italy, and Sweden also appear to import Neotropical psittacines, but actual import figures are not available.

In 1979 over 10,000 psittacines were exported from Peru (Table 4); over 98% were exported to the United States. Most of the birds were either Aratinga or Brotogeris species. U.S. Customs statistics for 1979 report that the U.S. imported over 20,000 birds from Peru (Table 1) - though all these birds may not have been psittacines.

Many of the South and Central American psittacines are abundant throughout much of the Neotropics (Table 5), and several species are considered agricultural pests. Unfortunately some of these birds are being removed from National Parks and Preserves where they are legally protected. Other birds have been removed from a country that prohibits the trapping and/or export of their bird populations. The result is

that a large number of parrots are being exported from countries which do not have endemic populations of these birds - e.g., Bolivia and Paraguay (Table 6). Other explanations for the above discrepancies are: 1) an accidental or deliberate clerical error listing the wrong species on the import document, or 2) the possibility that these birds were shipped to other countries for re-export.

Currently only 15 species of New World psittacines are listed on Appendix I and 1 species is on Appendix II of the Convention on International Trade in Endangered Species of Wild Fauna and Flora (CITES) (Table 7). Several other species are listed in the I.U.C.N. Red Data Book as either endangered, rare, vulnerable or indeterminate (Table 7).

Over 50% of all Neotropical psittacine species are traded. The figures reported in this paper are only a portion of the total number of Neotropical psittacines imported into the United States, but they serve as a general indication of the species involved in the trade.

Acknowledgement

A special thanks to Dr. Robert Ridgely who provided us with details on present day distribution of Neotropical psittacines.

REFERENCES

Clapp, R.B. and R.C. Banks (1973), Birds Imported into the United States in 1970, Special Scientific Report - Wildlife No. 164, Fish and Wildlife Service, U.S.D.I., Washington, D.C.

Clapp, R.B. and R.C. Banks (1973), Birds Imported into the United States in 1971, Special Scientific Report - Wildlife No. 170, FWS, USDI, Washington, D.C.

Clapp, R.B. (1975), Birds Imported into the United States in 1972, Special Scientific Report - Wildlife No. 193, FWS, USDI, Washington, D.C.

Clements, J.F. (1978), Birds of the World: A Check List, The Two Continents Publishing Group, Ltd., New York, 532 pp.

Forshaw, J.M. (1973), Parrots of the World, Doubleday & Co., Inc., Garden City, New York, 584 pp.

Nilsson, Greta and David Mack (1980), Macaws: Traded to Extinction?, TRAFFIC(U.S.A.) Special Report No. 2.

Wildlife Newsletter, (March, 1980), Land and Natural Resources Division Journal, U.S. Department of Justice, Vol.1, No. 1.

NEOTROPICAL BIRDS IMPORTED INTO THE UNITED STATES BY COUNTRY

COUNTRY	1970 +		1971 +		1972 +		///	1976	1977	1978	1979
ARGENTINA	1,079	(0)	3,275	(0)	3,382	(0)		6,749	22,575	27,385	15,160
BOLIVIA	134	(0)	134	(0)	213	(0)	///	5,491	7,353	14,136	24,251
BRAZIL	857	(15)	360	(33)	89	(0)					5,883
CHILE					1	(0)			848		
COLOMBIA	20,832	(12,697)	36,327	(26,292)	21,861	(10,777)	///				
DOMINICAN REPUBLIC								10		725	20
ECUADOR	2,268	(0)	4,475	(81)	1,740	(0)				42	602
EL SALVADOR							///		511		
FRENCH WEST INDIES										232	
GRENADA									3		
GUATEMALA	1,051	(1,031)	4,954	(4,952)	1,471	(1,471)	///		498	2,813	2,178
GUYANA	276	(0)	80	(0)	102	(2)		5,074	12,282	6,512	9,508
HAITI	199	(0)	73	(0)	297	(0)	///	22			
HONDURAS	156	(0)	196	(0)	169	(0)			886	3,190	2,582
JAMAICA										222	756
MEXICO	32,680	(31,384)	19,245	(19,064)	10,779	(9,638)	///	20,060	30,687	52,764	24,176
NICARAGUA	505	(0)	1,064	(566)	928	(742)		5,159	621		675
PANAMA	44	(26)	201	(74)	7	(1)		318	871	1,354	1,401
PARAGUAY	32,521	(28,000)	44,990	(43,989)	7,423	(6,203)	///		16,278	31,715	3,462
PERU	47,356	(45,621)	125,817	(123,579)	22,220	(21,522)		2,749	1,936	5,648	20,514
SURINAME								1,488	4,875	3,062	1,539
TRINIDAD							///		3,060	2,863	704
URUGUAY			34	(0)	317	(0)		1,820	10,341	12,031	22,700
VENEZUELA							///		24		
TOTAL BIRDS (Imported from Neotropics)	139,958	(118,774)	241,225	(218,630)	70,999	(50,356)		48,940 (34,258)*	113,649 (79,554)*	164,694 (115,289)*	136,111 (95,278)*
TOTAL BIRDS (Imported from New & Old World)	932,906		966,651		640,995			268,202	448,517	630,521	475,645

* From 1970-1972, the percentage of Psittacines imported versus total birds imported from these countries was 84.8% in 1970, 90.6% in 1971, and 70.9% in 1972; thus we are assuming that a minimum of 70% of all birds imported from 1976-1979 were Psittacines.

Source: From 1970-1972: Clapp & Banks, 1971 and 1972; Clapp, 1975. From 1976-1979: U.S.Imports (IM-146),Census Bureau, Dept. of Commerce.

+ The first number represents the total number of birds imported; the number in parenthesis represents the number of psittacines imported. The actual number of psittacines imported from 1976 - 1979 is not known.

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TABLE 2

NEOTROPICAL PSITTACINES IMPORTED INTO THE UNITED STATES

MACAWS		ARGENTINA	BOLIVIA	EL SALVADOR	GUATEMALA	GUYANA	HONDURAS	MEXICO	NICARAGUA	PANAMA	PARAGUAY	SURINAME	TRINIDAD	WEST INDIES	BELGIUM	INDONESIA	ITALY	JAPAN	SOUTH AFRICA	SWEDEN	UNITED KINGDOM	WEST GERMANY	COUNTRY UNKNOWN*	TOTAL
Anodorhynchus hyacinthinus	1977		7								99											2	10	118
(Hyacinth)	1978		94								372					8							8	482
	+ 1979		35								37													72
Ara ararauna	1977		396			886				32	4		116										298	1732
(Blue and yellow)	1978		106		6	56	13	2		60	183		339		16				6	10			195	1173
	+ 1979		451	4	137	122				44	72					28	152	1			26		108	964
Ara caninde	1977		1																					1
(Caninde)	+ 1979		2																					2
Ara militaris	1977		1																					1
(Military)	1978		4					50	1								1						8	64
	+ 1979		2	10	11			2		22													10	57
Ara ambigua																								
(Great Green)	1978									15							12							27
Ara macao	1977		31			94	2		1	6														134
(Scarlet)	1978		10		34	4			2	60			50		6		101			36			68	371
	+ 1979			59	49		1			25		2	47							32			37	252
Ara chloroptera	1977		112			127				4	31												79	353
(Green-winged)	1978		22		7	19				30	201				4	5	25		4	6			76	399
	+ 1979		13	9	28	30				23	200										4		30	337
Ara rubrogenys	1977		16																					16
(Red-fronted)	1978		82																					82
	+ 1979		125																					125
Ara severa	1977		430			76						2								50			16	574
(Severe)	1978		1530							70						90							56	1746
	+ 1979		1170																				405	1575

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TABLE 2
(cont.)

MACAWS (cont.)		ARGENTINA	BOLIVIA	EL SALVADOR	GUATEMALA	GUYANA	HONDURAS	MEXICO	NICARAGUA	PANAMA	PARAGUAY	SURINAME	TRINIDAD	WEST INDIES	BELGIUM	INDONESIA	ITALY	JAPAN	SOUTH AFRICA	SWEDEN	UNITED KINGDOM	WEST GERMANY	COUNTRY UNKNOWN*	TOTAL
Ara auricollis	1977		185								19												29	233
(Yellow-collared)	1978		1482								32					94							58	1666
	+1979		1184																				348	1532
Ara manilata	1977					124					73												50	247
(Red-bellied)	1978																			12				12
	+1979																						47	47
Ara maracana	1977										113													113
(Illiger's)	1978	1									33												7	41
Ara nobilis	1977		3			198						38											50	289
(Red-shouldered)	1978					141						14											128	283
	+1979		133			55																	115	303
Ara spp.	1977								42		4		3	2									34	85
	1978													2										2
	+1979									410														410
TOTALS:	1977		1182			1505	2		43	42	343	40	119	2						30		2	566	3896
	1978	1	3330		47	220	13	52	3	235	821	14	389	2	26	225	291	1	10	64			604	6348
	+1979		3115	82	225	207	1	2		524	309	2	47							32	30		1100	5676

[1] Data from Nilsson and Mack (1980)

* Most of this is supplemental data found in reports received from Miami Quarantine stations. These reports do not list country of origin.

+ January-August only.

Source: 3-177 Declaration of Import documents/ Courtesy of Law Enforcement Division, FWS, USDI.

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TABLE 3 (cont.)

CONURES		ARGENTINA	BOLIVIA	CHILE	GUYANA	HONDURAS	MEXICO	NICARAGUA	PARAGUAY	SURINAME	TRINIDAD	INDONESIA	SWEDEN	COUNTRY UNKNOWN	TOTAL
Aratinga acuticaudata	1977		211						37						248
(Blue-crowned)	1978		788						195			10			993
	+1979		423											43	466
A. aurea	1977								1369					552	1921
(Peach-fronted)	1978				5				2522				20	654	3201
	+1979		278												278
A. auricapilla	1977								67					20	87
(Golden-capped)	1978								175				20	118	313
	+1979								150						150
A. canicularis	1977					22									22
(Orange-fronted)	1978						70								70
	+1979		225											5	230
A. cactorum	1977								37						37
(Cactus)	1978								17		60				77
A. erythrogenys	1978												16		16
(Red-masked)	+1979													17	17
A. euops	+1979		43												43
(Cuban)															
A. holochlora	1977					26			158						184
(Green)	1978		18						426						944
A. jandaya	1977								80					60	140
(Jandaya)	1978								464						464
A. leucophthalmus	1977		234						79	9				75	397
(White-eyed)	1978		1220		25				121					72	1438

(cont.)

CONURES		ARGENTINA	BOLIVIA	CHILE	GUYANA	HONDURAS	MEXICO	NICARAGUA	PARAGUAY	SURINAME	TRINIDAD	INDONESIA	SWEDEN	COUNTRY UNKN	TOTAL
Aratinga mitrata	1977		1300						15					31	1346
(Mitred)	1978		3200									70		2	3272
	+ 1979		625											755	1380
A. nana															
(Olive-throated or Aztec)	1977					6									6
	1978		4												4
A. pertinax	1977				1022					459				205	1686
(Brown-throated)	1978				844					150				182	1176
	+ 1979				280									97	377
A. solstitialis	1977				31										31
(Sun)	1978													5	5
	+ 1979				52									4	56
A. wagleri	1977								163						163
(Scarlet-fronted)	1978								29						29
	+ 1979		36												56
A. weddellii	1977		5												5
(Dusky-headed)	+ 1979		200											468	668
Cyanoliseus patagonus	1977								228					22	250
(Patagonian)	1978	452							20						472
Enicognathus ferrugineus	1977			10											10
(Austral)															
E. leptorhynchus	1977			140											140
(Slender-billed)															
Nandayus nenday	1977				303				1389					619	2311

TABLE 2
(cont.)

CONURES		ARGENTINA	BOLIVIA	CHILE	GUYANA	HONDURAS	MEXICO	NICARAGUA	PARAGUAY	SURINAME	TRINIDAD	INDONESIA	SWEDEN	COUNTRY UNKNOWN*	TOTAL
Pyrrhura calliptera	+1979		25												25
(Flame-winged or Brown-breasted)															
P. frontalis	1977								278						278
(Maroon-bellied)	1978								288					182	470
P. Molinae	+1979		81											19	100
(Green-cheeked)															
P. Devillei	1978								1865						1865
(Black-winged)															
P. picta	1977				175			400		29					(604)
(Painted)	1978		3											3	6
P. rhodocephala	1978								105						105
(Rose-crowned)															
Unknown Conures	1977								192	500	200			193	1085
	1978		14						1645						1659
TOTALS:	1977		1750	150	1531	54		400	4092	997	200			1777	10951
	1978	452	5285		974		70		11893	150	60	80	56	1492	20412
	+1979		2636		332				150					1413	4531

+ January-August only.

* Most of this is supplemental data found in reports received from Miami Quarantine Stations. These reports do not list country of origin.

Source: 3-177 Declaration of Import documents/ Courtesy of Law Enforcement Division, FWS, USDI

TABLE 2
(cont.)

ARAKEETS		BOLIVIA	PANAMA	PARAGUAY	SURINAME	TRINIDAD	COUNTRY UNKNOWN	TOTAL
olborhynchus aymara	1978	28						28
Sierra)								
rotcgeris chrysopteris	1977			338	29	200		567
Golden-winged)	1978			100			106	206
rotogeris jugularis	1977			10				10
Orange-chinned)	1978	8	300	36				344
rotogeris sanctithomae	1978	5						5
Tui)								
rotogeris versicoloris	1977			209	57		200	466
Canary-winged)	1978	691		1385			8	2087
	+ 1979	250		75				325
yiopsitta monachus	1977			727		200		927
Monk)	1978			174				174
iscellaneous Parakeets	1977				500	200		700
	1978	2		308				310
OTALS:	1977			1284	586	600	200	2670
	1978	734	300	2006			114	3154
	+ 1979	250		75				325

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TABLE 2
(cont.)

PARROTLETS		BOLIVIA	GUYANA	SURINAME	TRINIDAD	INDONESIA	SWEDEN	COUNTRY UNKNOWN*	TOTA
Forpus passerinus	1977			689					689
(Green-rumped)	1978			100	525		50	1039	1714
	+ 1979		9					24	33
Forpus sclateri	1977		10						10
(Sclater's)									
Forpus xanthopterygius	+ 1979	50						130	180
(Blue-winged)									
TOTALS:	1977		10	689					699
	1978			100	525		50	1039	1714
	+ 1979	50	9					154	213
CAIQUES									
Pionites leucogaster	1978	120	20			18			158
(White-bellied)									
Pionites melanocephala	1977		424	115				30	569
(Black-headed)	1978		126	30			50	111	317
	+ 1979		50						50
Miscellaneous Caiques	1977							242	242
TOTALS:	1977		424	115				272	811
	1978		146	30		18	50	111	475
	+ 1979		50						50

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PARROTS		BOLIVIA	GUATEMALA	GUYANA	PANAMA	PARAGUAY	SURINAME	TRINIDAD	INDONESIA	SOUTH AFRICA	SWEDEN	COUNTRY UNKNOWN	TOTAL
Deropterus accipitrinus	1977					3	10						13
(Hawk-headed)	1978					4	3					1	8
	+1979											1	
Hapalopsittaca melanotis	1978			5									5
(Black-winged)	+1979	14											14
Pionus fuscus	1977			2			11						13
(Dusky)	1978			30									30
	+1979											100	100
Pionus maximiliani	1977	40				378						107	525
(Scaly-headed)	1978	44				400			2			16	462
	+1979	192											192
Pionus menstruus	1977	4					120						124
(Blue-headed)	1978	119		7				320	1	6	52	100	605
	+1979	31		63	6							152	252
Pionus senilus	1978		2										2
(White-capped)	+1979											20	20
Pionus sordidus	+1979	1											1
(Red-billed)													
Pionus tumultuosus	1977	6											6
(Plum-crowned)	+1979	43											43
Triclaria malachitacea	1978	4											4
(Purple-bellied)													
TOTALS:	1977	50		2		381	141					107	681
	1978	167	2	42		404	3	320	3	6	52	117	1116
	+1979	281		63	6							273	623

+ January-August only.

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Source: 3-177 Declaration of Import documents/ Courtesy of Law Enforcement Division, FWS, USDI.

(cont.)

AMAZONS		BOLIVIA	EL SALVADOR	GUATEMALA	GUYANA	HONDURAS	MEXICO	NICARAGUA	PANAMA	PARAGUAY	SURINAME	TRINIDAD	SOUTH AFRICA	SWEDEN	WEST GERMANY	COUNTRY UNKNOWN	TOTAL
Amazona aestiva	1977	998			390					1816		32				70	3306
(Blue-fronted)	1978	364	3	2	25					1824						768	2986
	+1979	766	3		107					675						902	2453
Amazona albifrons	1977					68											68
(White-fronted)	1978			43			250										293
	+1979															76	76
Amazona amazonica	1977				2982						64	320				459	3825
(Orange-winged)	1978	1			1058				181			10	28	100		1294	1782
	+1979				794				16							367	1177
Amazona autumnalis	1977					13											13
(Red-lored)	1978		2	39					90					25		132	288
	+1979		216													405	621
Amazona dufresniana	1978				15												15
(Blue-cheeked)																	
Amazona farinosa	1977	3			675											162	840
(Mealy)	1978	3			682				20							340	1045
	+1979	1			504											200	705
Amazona finschi	1978						225										225
(Lilac-crowned)																	
Amazona ochrocephala	1977	980			1000	2		1		2		1280			24	488	2777
(Yellow-crowned)	1978		30	264	61	300	300		70	40		1205		140		2155	4565
	+1979	225	159	60	147				288							468	1347
Amazona pretrei	1977				466				250			260					976
(Red-spectacled)																	

TABLE 2
(cont.)

AMAZONS (cont.)		BOLIVIA	EL SALVADOR	GUATEMALA	GUYANA	HONDURAS	MEXICO	NICARAGUA	PANAMA	PARAGUAY	SURINAME	TRINIDAD	SOUTH AFRICA	SWEDEN	WEST GERMANY	COUNTRY UNKNOWN*	TOTAL
Amazona tucamana (Alder or Tucaman)	1978	2															2
Amazona viridigenalis (Green-cheeked)	1978						525										525
Amazona xanthops (Yellow-faced)	1978									18							18
Amazona spp.	1977									700							700
TOTALS:	1977	1981			5513	83		1		2768	64	1892			24	1179	13505
	1978	370	35	348	1841	300	1300		361	1882		1215	28	265		4689	12634
	+1979	992	378	60	1552				304	675						2418	6379

* Most of this is supplemental data found in reports received from Miami Quarantine Stations. These forms do not list country of origin.

+ January-August only.

Source: 3-177 Declaration of Import documents/ Courtesy of Law Fnforcement Division, FWS, USDI

TABLE 2
(cont.)

		ARGENTINA	BOLIVIA	CHILE	EL SALVADOR	GUATEMALA	GUYANA	HONDURAS	MEXICO	NICARAGUA	PANAMA	PARAGUAY	SURINAME	TRINIDAD	WEST INDIES	BELGIUM	INDONESIA	ITALY	JAPAN	SOUTH AFRICA	SWEDEN	UNITED KINGDOM	WEST GERMANY	COUNTRY UNKNOWN*	TOTAL
MACAWS	1977		1182				1505	2		43	42	343	40	119	2						50		2	566	3896
	1978	1	3330			47	220	13	52	3	235	821	14	389	2	26	225	291	1	10	64			604	6348
	+ 1979		3115		82	225	207	1	2		524	309	2	47							32	30		1100	5676
CONURES	1977		1750	150			1531	54		400		4092	997	200										1777	10951
	1978	452	5285				874		70			11893	150	60			80				56			1492	20412
	+ 1979		2636				332					150												1413	4531
PARAKEETS	1977											1284	586	600										200	2670
	1978		734								300	2006												114	3154
	+ 1979		250									75													325
PARROTLETS	1977						10						689												699
	1978												100	525							50			1039	1714
	+ 1979		50				9																	154	213
CAIQUES	1977						424						115											272	811
	1978		120				146						30				18				50			111	475
	+ 1979						50																		50
PARROTS	1977		50				2					381	141											107	681
	1978		167			2	42					404	3	320			3			6	52			117	1116
	+ 1979		281				63				6													273	623
AMAZONS	1977		1981				5513	83		1		2768	64	1892									24	1179	13505
	1978		370		35	348	1841	300	1300		361	1882		1215						28	265			4689	12634
	+ 1979		992		378	60	1552				304	675												2418	6379
UNSPECIFIED S. AMERICAN PSITTACINES	1977												100	518	1										619
	1978																								0
	+ 1979										220														220
TOTAL PSITTACINES	1977		4963	150			8985	139		444	42	8868	2732	3329	3						50		26	4101	33832
	1978	453	10,006		35	397	3129	313	1422	3	896	17006	297	2509	2	26	326	291	1	44	537			8166	45853
	+ 1979		7324		460	285	2213	1	2		1054	1209	2	47							32	30		5358	18017

* Most of this is supplemental data found in reports received from Miami Quarantine Stations. These reports do not list country of origin.

\+ January-August only.

Source: 3-177 Declaration of Import documents/ Courtesy of Law Enforcement Division, FAS, USDI.

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TABLE 3

IMPORTS OF PSITTACINES INTO SWITZERLAND

	1976	1977	1978
Anodorhynchus hyacinthinus	15	7	40
Ara spp.	71	76	120
Aratinga spp.	45	21	114
Nandayus nenday	2	-	4
Cyanoliseus patagonus	-	4	15
Pyrrhura spp.	-	6	15
Enicognathus spp.	-	-	4
Myiopsitta monachus	-	5	13
Forpus spp.	8	1	1
Brotogeris spp.	-	42	36
Pionites spp.	15	16	9
Pionus spp.	23	29	48
Amazona spp.	508	513	582
Bolborhynchus spp.	-	30	-
Deroptyus accipitrinus	2	1	-
TOTAL	689	751	1001

Source: Switzerland CITES Reports

TABLE 4

1979 EXPORTS OF PSITTACINES FROM PERU

	QUANTITY	DESTINATION
Ara militaris	1	USA
Ara spp.	6	USA
	4	CANADA
Aratinga erytrogenys	1497	USA
Aratinga wagleri	1042	USA
	1	AUSTRALIA
	2	BAHAMAS
	2	FRANCE
Aratinga spp.	1000	USA
	2	CANADA
	2	SWITZERLAND
	1	HOLLAND
Brotogeris pyrrhopteris	200	USA
Brotogeris spp.	6500	USA
Pionus menstruus	6	USA
	1	AUSTRALIA
	1	SWITZERLAND
Amazona amazonica	1	USA
Amazona farinosa	1	USA
Amazona mercenaria	1	USA
Amazona spp.	1	USA
TOTAL	10,272	

Source: 1979 Peru CITES Report

TABLE 5

DISTRIBUTION OF NEOTROPICAL PSITTACINES IN TRADE

	MEXICO	GUATEMALA	EL SALVADOR	HONDURAS	NICARAGUA	COSTA RICA	PANAMA	COLOMBIA	ECUADOR	PERU	VENEZUELA	TRINIDAD	GUYANA	SURINAME	BRAZIL	BOLIVIA	PARAGUAY	ARGENTINA	URUGUAY	CHILE
MACAWS																				
ANODORHYNCHUS HYACINTHINUS															X	X				
ARA ARARAUNA							X	X	X	X	X	X	X	X	X	X	X	?		
ARA CANINDE																X	?	X		
ARA MILITARIS	X							X	X	X	X					X		X		
ARA AMBIGUA				X	X	X	X	X	X											
ARA MACAO	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
ARA CHLOROPTERA							X	X	X	X	X		X	X	X	X	X	?		
ARA RUBROGENYS																X				
ARA AURICOLLIS															X	X	X	X		
ARA SEVERA							X	X	X	X	X		X	X	X	X				
ARA MANILATA								X	X	X	X	X	X	X	X	X				
ARA MARACANA															X		X	X		
ARA COULONI										X					X					
ARA NOBILIS											X	?	X	X	X	X				
CONURES																				
ARATINGA ACUTICAUDATA								X			X				X		X	X	X	
ARATINGA HOLOCHLORA	X	X	X	X	X															
ARATINGA WAGLERI								X	X	X	X									
ARATINGA MITRATA										X						X	?	X		
ARATINGA ERYTHROGENYS									X	X										
ARATINGA LEUCOPHTHALMUS								X	X	X	X		X	X	X	X	X	X	X	
ARATINGA EUOPS*																				
ARATINGA AURICAPILLA															X					
ARATINGA JANDAYA															X					
ARATINGA SOLSTITIALIS											X		X	X	X					
ARATINGA WEDDELLII								X	X	X					X	X				
ARATINGA NANA	X	X	X	X	X	X	X													
ARATINGA CANICULARIS	X	X	X	X		X														
ARATINGA PERTINAX							X	X			X		X	X	X					
ARATINGA CACTORUM															X					
ARATINGA AUREA													?	X	X	X	X	X		

TABLE 5
(cont.)

	MEXICO	GUATEMALA	EL SALVADOR	HONDURAS	NICARAGUA	COSTA RICA	PANAMA	COLOMBIA	ECUADOR	PERU	VENEZUELA	TRINIDAD	GUYANA	SURINAME	BRAZIL	BOLIVIA	PARAGUAY	ARGENTINA	URUGUAY	CHILE
CONURES (CONT.)																				
NANDAYUS NENDAY															X	X	X	X		
PYRRHURA DEVILLEI															X	X	X			
PYRRHURA FRONTALIS															X		X	X	X	
PYRRHURA MOLINAE															X	X		X		
PYRRHURA PICTA								X		X	X		X	X	X	X				
PYRRHURA CALLIPTERA								X												
PYRRHURA RHODOCEPHELA											X									
ENICOGNATHUS LEPTORHYNCHUS																				X
CYANOLISEUS PATAGONUS																		X	X	X
PARAKEETS																				
MYIOPSITTA MONACHUS															X	X	X	X	X	
BOLBORHYNCHUS AYMARA																X		X		
BROTOGERIS VERSICOLORUS								X	X	X					X	X	X	X		
BROTOGERIS JUGULARIS	X	X	X	X	X	X	X	X			X									
BROTOGERIS CHRYSOPTERUS											X		X	X	X					
BROTOGERIS SANCTITHOMAE								X	X	X					X	X				
PARROTLETS																				
FORPUS PASSERINUS								X			X	X	X	X	X					
FORPUS XANTHOPTERYGIUS								X		X					X	X	X	X		
FORPUS SCLATERI								X	X	X	X		X	X	X	X				
CAIQUES																				
PIONITES MELANOCEPHALA								X	X	X			X	X	X					
PIONITES LEUCOGASTER									X	X					X	X				

TABLE 5
(cont.)

	MEXICO	GUATEMALA	EL SALVADOR	HONDURAS	NICARAGUA	COSTA RICA	PANAMA	COLOMBIA	ECUADOR	PERU	VENEZUELA	TRINIDAD	GUYANA	SURINAME	BRAZIL	BOLIVIA	PARAGUAY	ARGENTINA	URUGUAY	CHILE
PARROTS																				
HAPALOPSITTACA MELANOTIS										X						X				
PIONUS MENSTRUUS						X	X	X	X	X	X	X	X	X	X	X				
PIONUS SORDIDAS								X	X	X	X					X				
PIONUS MAXIMILIANI															X	X	X	X		
PIONUS TUMULTUOSUS										X						X				
PIONUS SENILIS	X	X	X	X	X	X	X													
PIONUS FUSCUS								X			X		X	X	X					
DEROPTYUS ACCIPITRINUS								X	X	X	X		X	X	X					
TRICLARIA MALACHITACEA															X					
AMAZONS																				
AMAZONA AESTIVA															X	X	X	X		
AMAZONA ALBIFRONS	X	X	X	X	X	X	X													
AMAZONA AMAZONICA								X	X	X	X	X	X	X	X	X				
AMAZONA AUTUMNALIS	X	X	X	X	X	X	X	X	X		X				X					
AMAZONA DUFRESNIANA											X		X	X	X					
AMAZONA FARINOSA	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X				
AMAZONA FINSCHI	X																			
AMAZONA OCHROCEPHALA	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
AMAZONA PRETREI															X		?	X	?	
AMAZONA TUCUMANA																X		X		
AMAZONA VIRIDIGENALIS	X																			
AMAZONA XANTHOPS															X					

Source: Forshaw, 1973; Clements, 1978; Nilsson & Mack, 1980; Ridgely, pers. comm., 1980.

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TABLE 6

COUNTRY OF ORIGIN DISCREPANCIES
(Cont.)

	EXPORTING COUNTRY	* SPECIES REPORTEDLY FOUND ONLY IN:
BROTOGERIS CHRYSOPTERUS	PARAGUAY, TRINIDAD	BRAZIL, VENEZUELA, SURINAME, GUYANA
BROTOGERIS JUGULARIS	PARAGUAY, BOLIVIA	MEXICO, CENTRAL AMERICA, COLOMBIA, VENEZUELA
DEROPTYUS ACCIPITRINUS	PARAGUAY	GUYANA, SURINAME, BRAZIL, PERU COLOMBIA, ECUADOR
TRICLARIA MALACHITACEA	BOLIVIA	BRAZIL
HAPALOPSITTACA MELANOTIS	GUYANA	PERU, BOLIVIA
PIONITES LEUCOGASTER	GUYANA	BRAZIL, BOLIVIA, PERU, ECUADOR
AMAZONA AESTIVA	EL SALVADOR, BUYANA, TRINIDAD	BRAZIL, PARAGUAY, ARGENTINA
AMAZONA AMAZONICA	PANAMA	COLOMBIA, VENEZUELA, GUYANA, SURINAME, PERU, BRAZIL, TRINIDAD
AMAZONA OCHROCEPHALA	PARAGUAY	MEXICO, CENTRAL AMERICA, GUYANA, SURINAME BOLIVIA, TRINIDAD, VENEZUELA, ECUADOR BRAZIL
AMAZONA PRETREI	GUYANA, TRINIDAD, PANAMA	BRAZIL, ARGENTINA, URUGUAY, PARAGUAY
AMAZONA XANTHOPS	PARAGUAY	BRAZIL

* Based on Forshaw (1973) and Ridgely, pers. comm. (1980).

TABLE 6

COUNTRY OF ORIGIN DISCREPANCIES

	EXPORTING COUNTRY	* SPECIES REPORTEDLY FOUND ONLY IN:
ANODORHYNCHUS HYACINTHINUS	PARAGUAY	BRAZIL, BOLIVIA
ARA MANILATA	PARAGUAY	TRINIDAD, SURINAME, GUYANA, PERU VENEZUELA, COLOMBIA, BRAZIL
ARATINGA HOLOCHLORA	BOLIVIA, PARAGUAY	MEXICO, GUATEMALA, HONDURAS, NICARAGUA, EL SALVADOR
ARATINGA AURICAPILLA	PARAGUAY	BRAZIL
ARATINGA CANICULARIS	BOLIVIA	MEXICO, GUATEMALA, EL SALVADOR HONDURAS, COSTA RICA
ARATINGA CACTORUM	PARAGUAY, TRINIDAD	BRAZIL
ARATINGA EUOPS	BOLIVIA	CUBA
ARATINGA JANDAYA	PARAGUAY	BRAZIL
ARATINGA NANA	BOLIVIA	JAMAICA, MEXICO, CENTRAL AMERICA
ARATINGA PERTINAX	BOLIVIA	PANAMA, VENEZUELA, COLOMBIA SURINAME, GUYANA
ARATINGA WAGLERI	BOLIVIA, PARAGUAY	VENEZUELA, COLOMBIA, ECUADOR, PERU
CYANOLISEUS PATAGONUS	PARAGUAY	CHILE, ARGENTINA, URUGUAY
NANDAYUS NENDAY	GUYANA	BOLIVIA, BRAZIL, PARAGUAY, ARGENTINA
PYRRHURA PICTA	NICARAGUA	SURINAME, GUYANA, VENEZUELA, BRAZIL PERU, BOLIVIA, COLOMBIA
PYRRHURA RHODOCEPHELA	PARAGUAY	VENEZUELA
PYRRHURA CALLIPTERA	BOLIVIA	COLOMBIA

TABLE 7

STATUS OF NEOTROPICAL PSITTACINES

SCIENTIFIC AND COMMON NAMES	DISTRIBUTION	CITES APP. I	CITES APP. II	I.U.C.N.
Anodorhynchus glaucus (Glaucus macaw)	Paraguay, Argentina, Brazil, possibly Uruguay	X		E
Anodorhynchus leari (Indigo macaw)	Brazil	X		E
Cyanopsitta spixii (Little Blue macaw)	Brazil	X		V
Ara ambigua guayaquilensis (Guayaquil Great Green macaw)	Ecuador			I
Ara caninde (Caninde macaw)	Bolivia, Argentina, and possibly Paraguay			I
Aratinga guaruba (Golden conure or parakeet)	Brazil	X		V
Ognorhynchus icterotis (Yellow-eared conure)	Colombia, Ecuador			V
Rhynchopsitta pachyrhyncha (Thick-billed parrot)	Mexico	X		
R. p. pachyrhyncha (Thick-billed parrot)	Mexico			V
R. p. terrisi (Maroon-fronted parrot)	Mexico			E
Cyanoliseus patagonus byroni (Greater Patagonian conure)	Chile, Argentina		X	
Pyrrhura cruentata (Blue-throated conure)	Brazil	X		R
Bolborhynchus ferrugineifrons (Rufous-fronted parakeet)	Colombia			I

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TABLE 7
(cont.)

SCIENTIFIC AND COMMON NAMES	DISTRIBUTION	CITES APP. I	CITES APP. II	I.U.C.N.
Touit melanonota (Brown-backed or Black-eared parrotlet)	Brazil			R
Touit surda (Golden-tailed parrotlet)	Brazil			I
Pionopsitta pilcata (Brazilian pilliated parrot)	Brazil, Argentina		X	
Hapalopsittaca amazonina fuertisi (Indigo-winged parrot)	Colombia			I
Amazona arausiaca (Red-necked Amazon parrot)	Dominica			E
Amazona brasiliensis (Red-tailed Amazon parrot)	Brazil			E
Amazona guildingii (St. Vincent Amazon parrot)	St. Vincent		X	E
Amazona imperialis (Imperial Amazon parrot)	Dominica		X	E
Amazona leucocephala (Caribbean Amazon parrot)	Bahamas, Cuba		X	
A. l. bahamensis (Bahama Amazon parrot)	Bahamas		X	R
A. l. hesterna (Cayman Brac Amazon parrot)	Cayman Islands		X	R
Amazona pretrei (Red-spectacled parrot)	Brazil, Argentina, and possibly Uruguay			V

TABLE 7
(cont.)

SCIENTIFIC AND COMMON NAMES	DISTRIBUTION	CITES APP. I	CITES APP. II	I.U.C.N.
Amazona pretrei pretrei (Red-spectacled Amazon parrot)	Brazil, Uruguay	X		V
Amazona rhodocorhytha = Amazona viridigenalis (Red-crowned or Green-cheeked parrot)	Mexico	X		
Amazona versicolor (St. Lucia Amazon parrot)	St. Lucia	X		E
Amazona vinacea (Vinaceous Amazon parrot)	Brazil, Argentina	X		
Amazona vittata (Red-fronted Amazon parrot or Puerto Rican parrot)	Puerto Rico	X		E

E - Endangered; R - Rare; V - Vulnerable; I - Indeterminate

Source: CITES listings as of March, 1980, and I.U.C.N. Red Data Book.